

CLAIMS:

1,15 1. An image processing apparatus, comprising:
2 a scanner including a direct control ²⁰ section configured to control a scanning
5 operation of the scanner so as to input image information from an original document; and
16 a main body configured to process the image information, and including a control
section configured to perform an initializing process for the main body,
wherein a homing operation of the scanner is performed by the direct control
section independently of the initializing process of the control section of the main body,
when power is supplied to the image processing apparatus or when the image processing
apparatus is returned from a shutdown state.

2,16 2. An image processing apparatus, comprising:
a scanner including a direct control section configured to control a scanning
operation of the scanner so as to input image information from an original document;
an image input device other than said scanner configured to input image
information;
a main body configured to process the image information input by the scanner and
the image input device, said main body including a control section configured to perform
20 an initializing process for said main body; and
an operation device configured to determine whether a homing operation of said
scanner is performed by the direct control section independently of the initializing process
of the control section of the main body or by an instruction provided from the control
section of the main body, when power is supplied to the image processing apparatus or
25 when the image processing apparatus is returned from a shutdown state.

3,17 3. An image processing apparatus having a plurality of functions, comprising:
a scanner including a direct control section configured to control a scanning
operation of the scanner so as to input image information from an original document;
30 an image input device other than said scanner configured to input image
information;
a main body configured to process the image information input by said scanner

and said image input device, said main body including a control section configured to perform an initializing process for said main body; and

an operational mode selection device configured to select one of a first operational mode in which a homing operation of the scanner is performed by the direct control section independently of the initializing process of the control section of the main body, and a second operational mode in which the homing operation of the scanner is performed by an instruction provided from the control section of the main body, when power is supplied to the image processing apparatus or when the image processing apparatus is returned from a shutdown state,

wherein said operational mode selection device selects the first operational mode when each of the plurality of functions is fulfilled with said scanner, and selects the second operational mode when at least one of the plurality of functions is fulfilled without the scanner.

4. The image processing apparatus according to claim 3, wherein the operational mode selection device includes a volatile memory configured to store data, detected by the control section of the main body, on the plurality of functions of the image processing apparatus, and

wherein the operational mode selection device selects the first or second operational modes based on the data stored in the volatile memory.

5. An image processing apparatus having a plurality of functions, comprising:

a scanner including a direct control section configured to control a scanning operation of the scanner so as to input image information from an original document;

an image input device other than said scanner configured to input image information;

a main body configured to process the image information input by said scanner and said image input device, said main body including a control section configured to perform an initialization process for said main body; and

an operational mode selection device configured to select one of a first operational mode in which a homing operation of the scanner is performed by the direct control section independently of the initializing process of the control section of the main body, and a

second operational mode in which the homing operation of the scanner is performed by an instruction provided from the control section of the main body, said operational mode selection device including a volatile memory configured to store data, detected by the control section of the main body, on the plurality of functions of the image processing apparatus,

wherein the operational mode selection device selects the first operational mode when each of the plurality of functions is fulfilled with said scanner when the image processing apparatus is returned from a shutdown state, and selects the second operational mode when power is supplied to the image processing apparatus, and

wherein the operational mode selection device selects the second operational mode when the data stored in the volatile memory includes at least one of the plurality of functions fulfilled without the scanner when the image processing apparatus is returned from a shutdown state.

6. The image processing apparatus according to claim 3, wherein the plurality of functions comprise at least one of a facsimile function, a printer function, and a filing function in addition to a copying function.

7. The image processing apparatus according to claim 5, wherein the plurality of functions comprise at least one of a facsimile function, a printer function, and a filing function in addition to a copying function.

8. A method for initializing an image processing apparatus having a main body for processing image information input by a scanner, comprising:

performing a homing operation of the scanner independently of an initializing process of the main body, when power is supplied to the image processing apparatus or when the image processing apparatus is returned from a shutdown state.

9. A method for initializing an image processing apparatus having a main body for processing image information input by a scanner, comprising:

selecting a first operational mode in which a homing operation of the scanner is performed by a direct control section of the scanner independently of an initializing

process of the main body or a second operational mode in which the homing operation of the scanner is performed by an instruction provided from the main body.

10.24 (10.) A method for initializing an image processing apparatus having a plurality of functions and a main body for processing image information input by a scanner or another image input device, comprising:

detecting a plurality of functions included in the image processing apparatus; and

selecting a first operational mode in which a homing operation of the scanner is performed by a direct control section of the scanner independently of an initializing process of the main body when each of the plurality of functions is fulfilled with the scanner or selecting a second operational mode in which the homing operation of the scanner is performed by an instruction provided from the main body when at least one of the plurality of functions is fulfilled without said scanner.

11. The method according to claim 10, further comprising:

storing, in a volatile memory, data corresponding to the plurality of functions detected in the detecting step; and

selecting the operational mode based on the data stored in the volatile memory.

12.26 (12.) A method for initializing an image processing apparatus having a plurality of functions and a main body for processing image information input by a scanner or another image input device, comprising:

detecting a plurality of functions included in the image processing apparatus;

storing, in a volatile memory, data corresponding to the plurality of functions detected in the detecting step; and

selecting a first operational mode in which a homing operation of the scanner is performed by a direct control section of the scanner independently of an initializing process of the main body when each of the plurality of functions stored in the volatile memory is fulfilled with said scanner when the image processing apparatus is returned from a shutdown state, or selecting a second operational mode in which the homing operation of the scanner is performed by an instruction provided from the main body when power is supplied to the image processing apparatus and when at least one of the plurality

of functions stored in the volatile memory is fulfilled without said scanner when the image processing apparatus is returned from the shutdown state.

13. The method according to claim 10, wherein the plurality of functions include at least one of a facsimile function, a printer function, and a filing function in addition to a copying function.

14. The method according to claim 12, wherein the plurality of functions include at least one of a facsimile function, a printer function, and a filing function in addition to a copying function.

⑮. An image processing apparatus, comprising:

scanner means including a direct control section for controlling a scanning operation of the scanner means so as to input image information from an original document; and

main body means for processing the image information, and including a control section for performing an initializing process of the main body means,

wherein a homing operation of the scanner means is performed by the direct control section independently of the initializing process of the control section of the main body means, when power is supplied to the image processing apparatus or when the image processing apparatus is returned from a shutdown state.

⑯. An image processing apparatus, comprising:

scanner means including a direct control section for controlling a scanning operation of the scanner means so as to input image information from an original document;

image input means other than said scanner means for inputting image information;

main body means for processing the image information input by the scanner means and the image input means, said main body means including a control section for performing an initializing process of said main body means; and

operational means for determining whether a homing operation of said scanner means is performed by the direct control section independently of the initializing process

of the control section of the main body means or by an instruction provided from the control section of the main body means when power is supplied to the image processing apparatus or when the image processing apparatus is returned from a shutdown state.

5 (17) An image processing apparatus having a plurality of functions, comprising:

scanner means including a direct control section for controlling a scanning operation of the scanner means so as to input image information from an original document;

image input means other than said scanner means for inputting image information;

main body means for processing the image information input by said scanner means and said image input means, said main body means including a control section for performing an initializing process of said main body; and

operational mode selection means for selecting one of a first operational mode in which a homing operation of the scanner means is performed by the direct control section independently of the initializing process of the control section of the main body means, and a second operational mode in which the homing operation of the scanner means is performed by an instruction provided from the control section of the main body means, when power is supplied to the image processing apparatus or when the image processing apparatus is returned from a shutdown state,

20 wherein said operational mode selection means selects the first operational mode when each of the plurality of functions is fulfilled with said scanner means, and selects the second operational mode when at least one of the plurality of functions is fulfilled without the scanner means.

25 18. The image processing apparatus according to claim 17, wherein the operational mode selection means includes memory means for storing data, detected by the control section of the main body means on the plurality of functions of the image processing apparatus, and

wherein the operational mode selection means selects the first or second
30 operational modes based on the data stored in the memory means.

(19) An image processing apparatus having a plurality of functions, comprising:

scanner means including a direct control section for controlling a scanning operation of the scanner means so as to input image information from an original document;

image input means other than said scanner means for inputting image information;

5 main body means for processing the image information input by said scanner means and said image input means, said main body means including a control section for performing an initialization process of said main body means; and

operational mode selection means for selecting one of a first operational mode in which a homing operation of the scanner means is performed by the direct control section independently of the initializing process of the control section of the main body means, and a second operational mode in which the homing operation of the scanner means is performed by an instruction provided from the control section of the main body, said operational mode selection device including memory means for storing data, detected by the control section of the main body means, on the plurality of functions of the image processing apparatus,

wherein the operational mode selection means selects the first operational mode when each of the plurality of functions is fulfilled with said scanner means when the image processing apparatus is returned from a shutdown state, and selects the second operational mode when power is supplied to the image processing apparatus, and

20 wherein the operational mode selection means selects the second operational mode when the data stored in the memory means includes at least one of the plurality of functions fulfilled without the scanner means when the image processing apparatus is returned from a shutdown state.

25 20. The image processing apparatus according to claim 17, wherein the plurality of functions comprise at least one of a facsimile function, a printer function, and a filing function in addition to a copying function.

30 21. The image processing apparatus according to claim 19, wherein the plurality of functions comprise at least one of a facsimile function, a printer function, and a filing function in addition to a copying function.

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22. A computer program product for initializing an image processing apparatus having a main body for processing image information input by a scanner, comprising:

a first computer code for performing a homing operation of the scanner independently of an initializing process of the main body, when power is supplied to the image processing apparatus or when the image processing apparatus is returned from a shutdown state.

23. A computer program product for initializing an image processing apparatus having a main body for processing image information input by a scanner, comprising:

a first computer code for selecting a first operational mode in which a homing operation of the scanner is performed by a direct control section of the scanner independently of an initializing process of the main body or a second operational mode in which the homing operation of the scanner is performed by an instruction provided from the main body.

24. A computer program product for initializing an image processing apparatus having a plurality of functions and a main body for processing image information input by a scanner or another image input device, comprising:

a first computer code for detecting a plurality of functions included in the image processing apparatus; and

a second computer code for selecting a first operational mode in which a homing operation of the scanner is performed by a direct control section of the scanner independently of an initializing process of the main body when each of the plurality of functions is fulfilled with the scanner or selecting a second operational mode in which the homing operation of the scanner is performed by an instruction provided from the main body when at least one of the plurality of functions is fulfilled without said scanner.

25. The computer program product according to claim 24, further comprising:

a third computer code for storing, in a volatile memory, data corresponding to the plurality of functions detected by the first computer code; and

a fourth computer code for selecting the operational mode based on the data stored in the volatile memory.

26. A computer program product for initializing an image processing apparatus having a plurality of functions and a main body for processing image information input by a scanner or another image input device, comprising:

5 a first computer code for detecting a plurality of functions included in the image processing apparatus;

a second computer code for storing, in a volatile memory, data corresponding to the plurality of functions detected by the first computer code; and

10 a third computer code for selecting a first operational mode in which a homing operation of the scanner is performed by a direct control section of the scanner independently of an initializing process of the main body when each of the plurality of functions stored in the volatile memory is fulfilled with said scanner when the image processing apparatus is returned from a shutdown state, or selecting a second operational mode in which the homing operation of the scanner is performed by an instruction provided from the main body when power is supplied to the image processing apparatus and when at least one of the plurality of functions stored in the volatile memory is fulfilled without said scanner when the image processing apparatus is returned from the shutdown state.

20 27. The computer program product according to claim 24, wherein the plurality of functions include at least one of a facsimile function, a printer function, and a filing function in addition to a copying function.

25 28. The computer program product according to claim 26, wherein the plurality of functions include at least one of a facsimile function, a printer function, and a filing function in addition to a copying function.